SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-Integrin alpha-3 heavy chain antibody

Catalog Number: SL6328R

FOR RESEARCH USE ONLY

[DATASHEET]

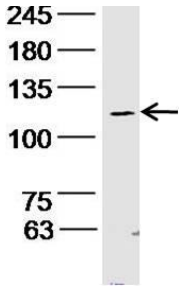
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Integrin alpha-3 heavy chain
Immunogen:	KLH conjugated synthetic peptide derived from human Integrin alpha-3 heavy chain: 33-100/1051 <Extracellular>
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	Preservative: 15mM Sodium Azide, Constituents: 1% BSA, 1M PBS, pH 7.4 Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Mouse(predicted:Human,Rat,Dog,Pig,Cow,Rabbit,Sheep)
Predicted MW.:	93/114kDa
Subcellular Location:	The cell membrane
Background:	The protein encoded by this gene belongs to the family of integrins. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain, and function as cell surface adhesion molecules. This gene encodes alpha 3 subunit, which undergoes post-translational cleavage in the extracellular domain to yield disulfide-linked light and heavy chains that join with beta 1 subunit to form an integrin that interacts with many extracellular-matrix proteins. Alternatively spliced transcript variants encoding different isoforms have been identified for this gene. [provided by RefSeq, Oct 2008] **Function:** Integrin alpha-3/beta-1 is a receptor for fibronectin, laminin, collagen, epiligrin, thrombospondin and CSPG4. Alpha-3/beta-1 may mediate with LGALS3 the stimulation by CSPG4 of endothelial cells migration. **Subunit:** Heterodimer of an alpha and a beta subunit. The alpha subunit is composed of an heavy and a light chain linked by a disulfide bond. Alpha-3 associates with beta-1. Interacts with HPS5.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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	Subcellular Location: Membrane; Single-pass type I membrane protein. **Tissue Specificity:** Isoform 1 is widely expressed. Isoform 2 is expressed in brain and heart. In brain, both isoforms are exclusively expressed on vascular smooth muscle cells, whereas in heart isoform 1 is strongly expressed on vascular smooth muscle cells, isoform 2 is detected only on endothelial vein cells. **Post-translational modifications:** Isoform 1, but not isoform 2, is phosphorylated on serine residues. Phosphorylation increases after phorbol 12-myristate 13-acetate stimulation. **Similarity:** Belongs to the integrin alpha chain family. Contains 7 FG-GAP repeats. **Database links:** **Entrez Gene:** 508490 Cow **Entrez Gene:** 491074 Dog **Entrez Gene:** 100056202 Horse **Entrez Gene:** 3675 Human **Entrez Gene:** 100386753 Marmoset (common) **Entrez Gene:** 16400 Mouse Omim: 605025 Human **SwissProt:** F1MMS9 Cow **SwissProt:** P26006 Human **SwissProt:** Q62470 Mouse **Unigene:** 265829 Human **Unigene:** 57035 Mouse

[VALIDATION IMAGES]



Sample: Cerebrum(Mouse) Tissue Lysate at 30 ug
Primary: Anti-ITGA3 (SL6328R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 93,114 kD
Observed band size: 114 kD

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